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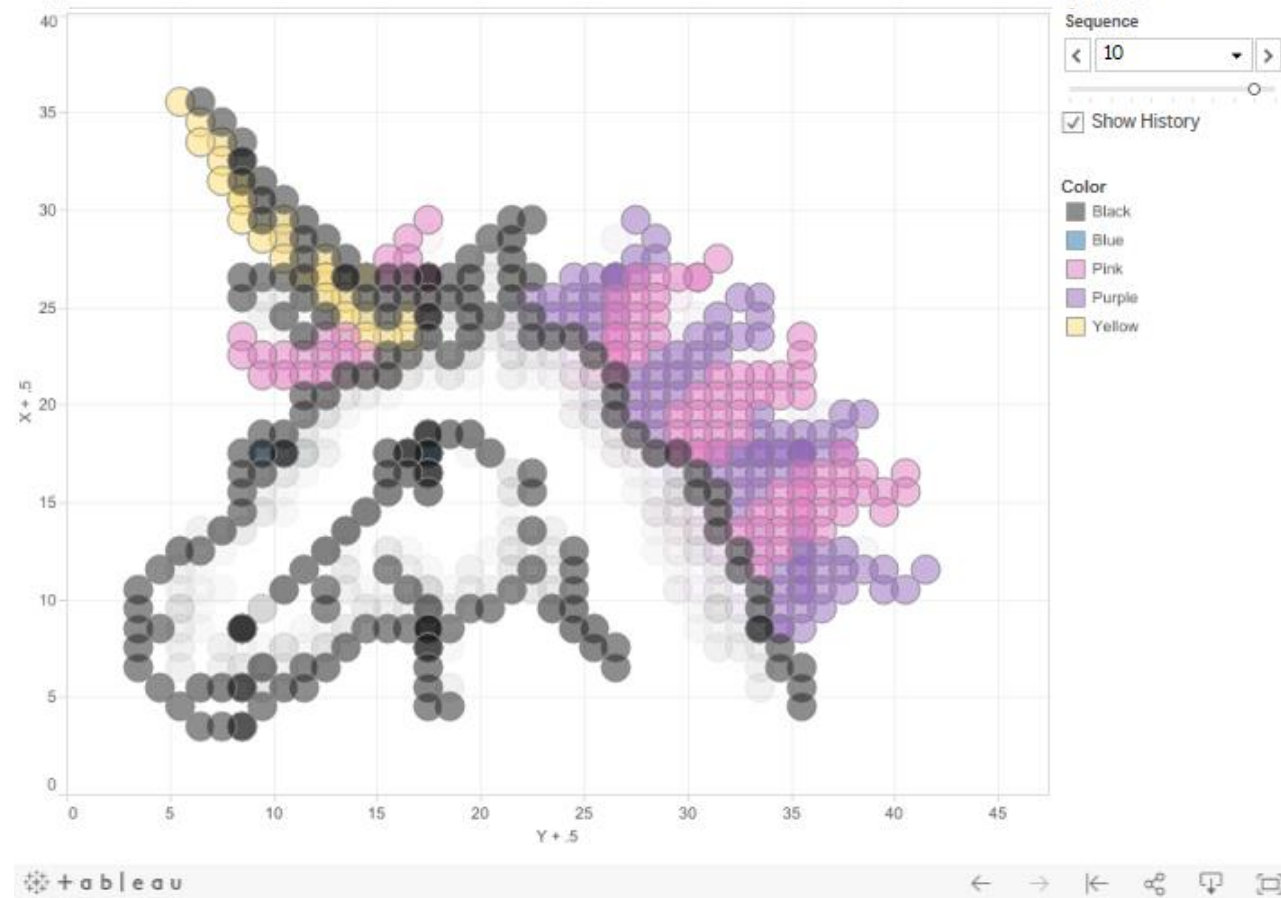
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Vexed by Visualisation

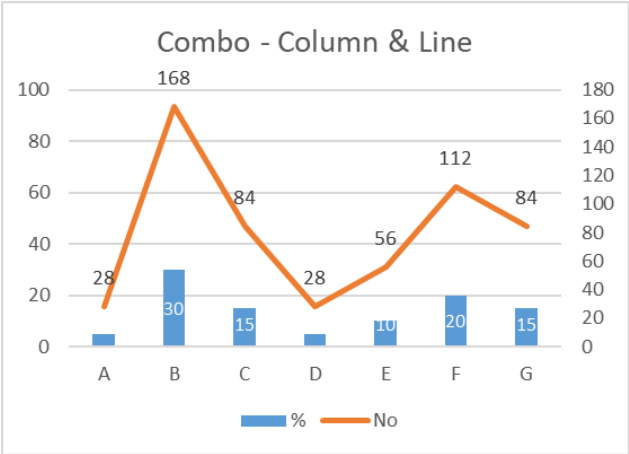
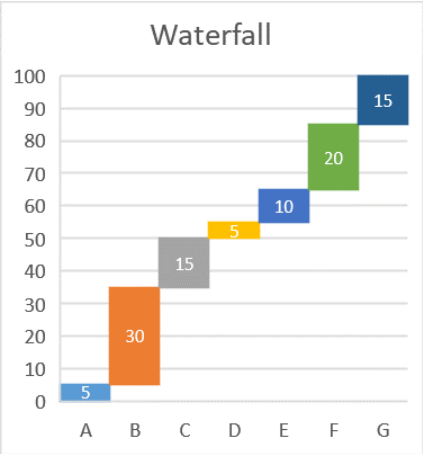
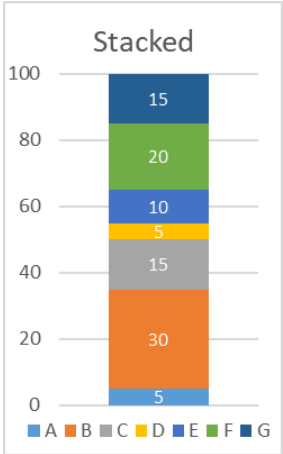
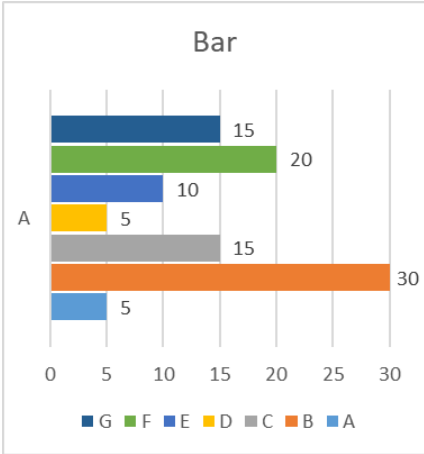
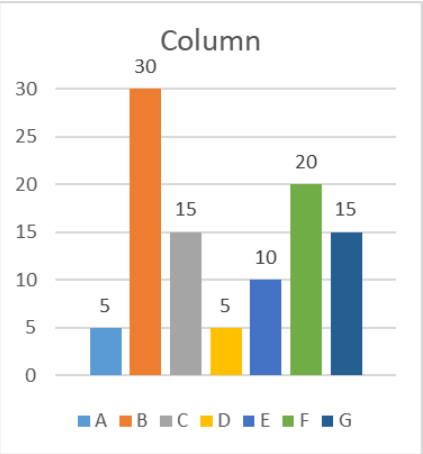
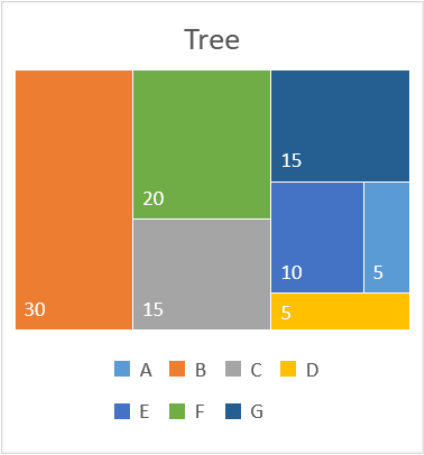
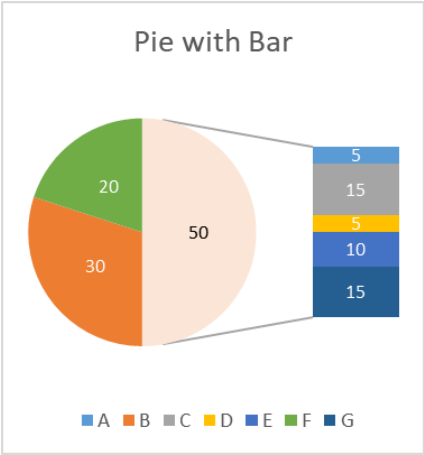
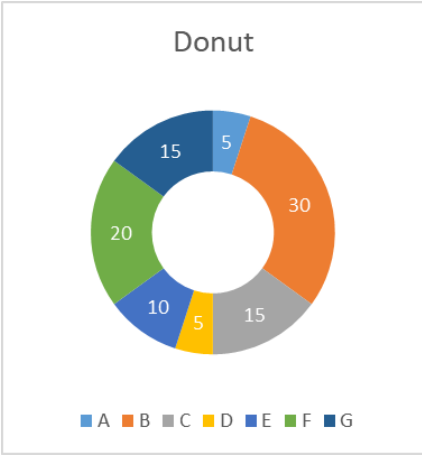
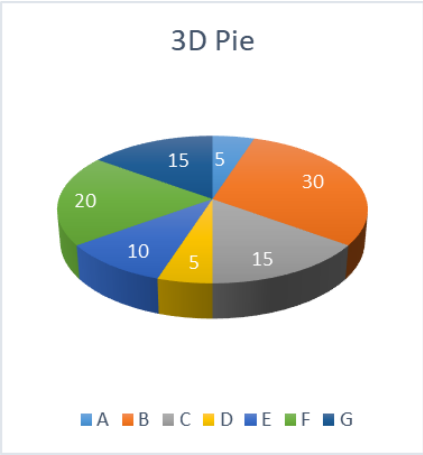
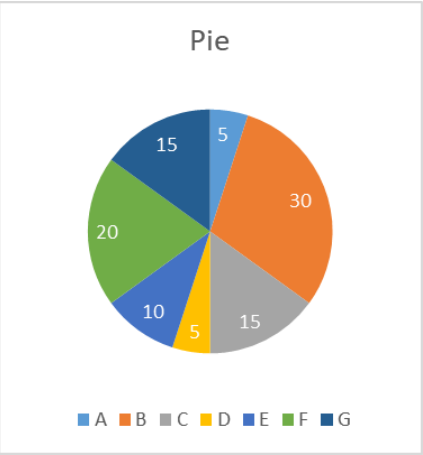
Putting it into Perspective

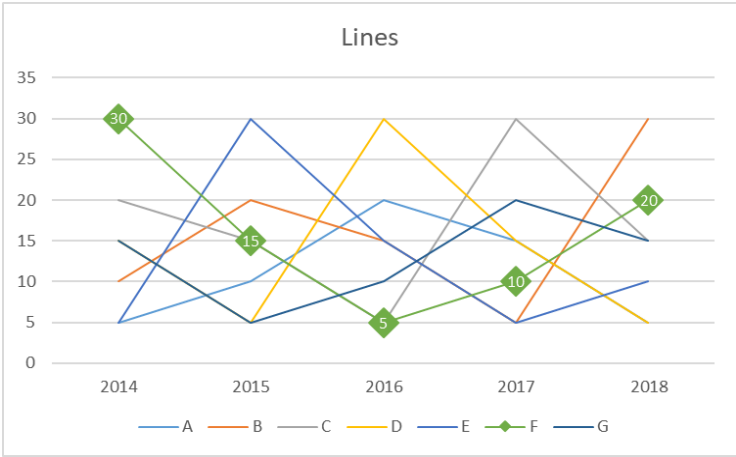
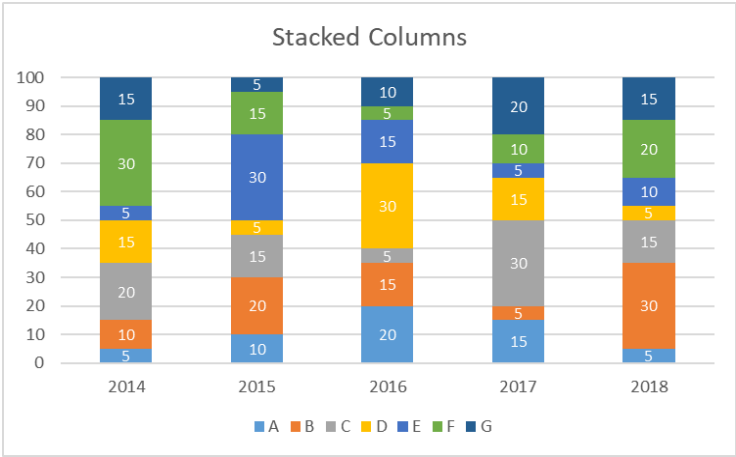
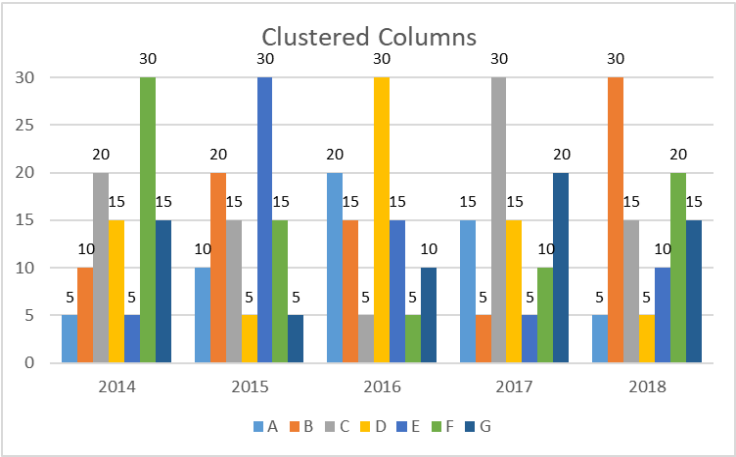
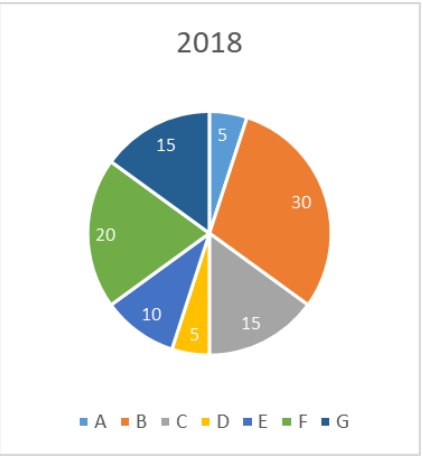
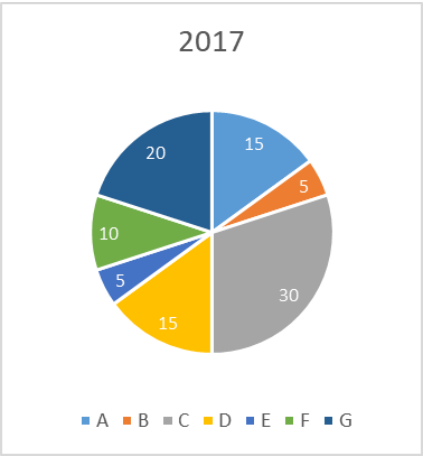
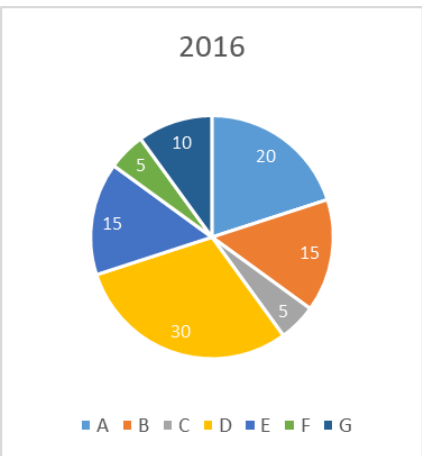
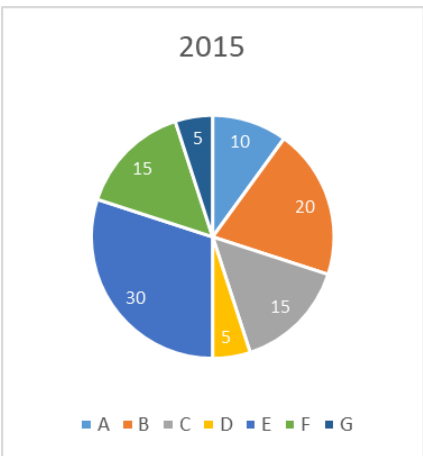
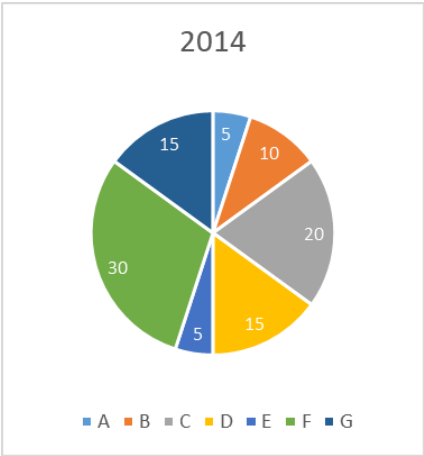
Samantha Heeson
Electronic and Data Services Librarian
Learning Resources
Libraries and Learning Innovation

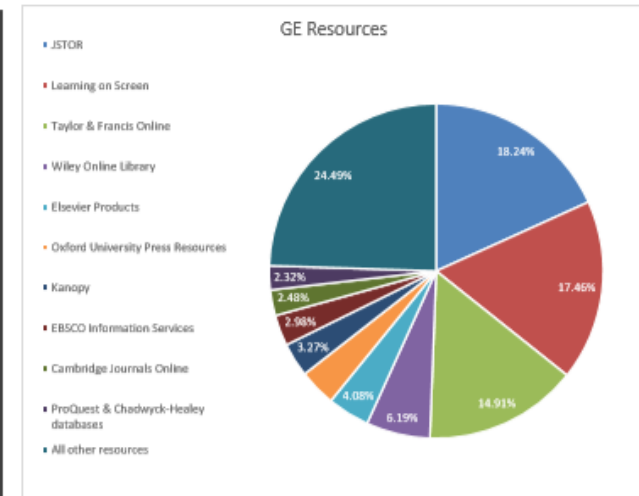
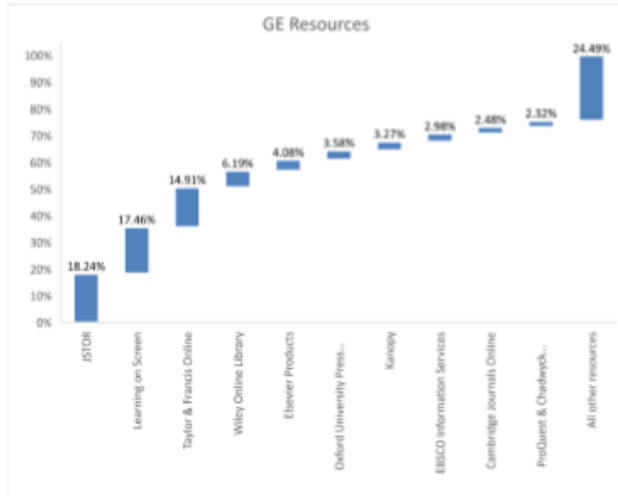
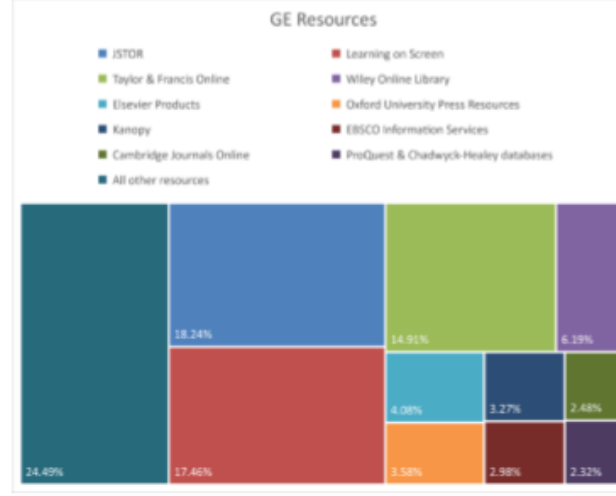
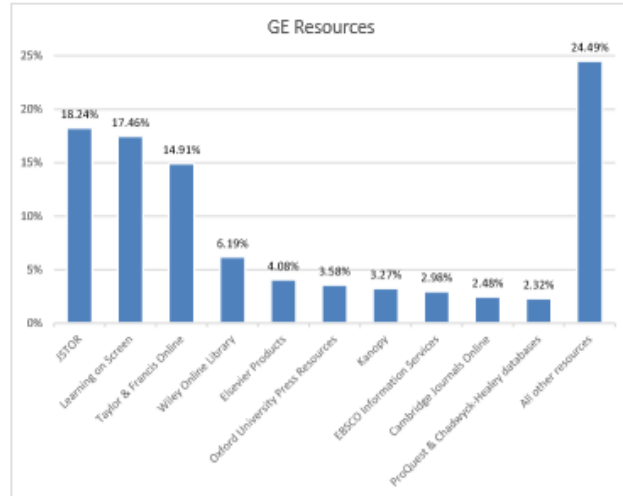
The Perfect Chart



Here's some I made
earlier... pie, anyone?

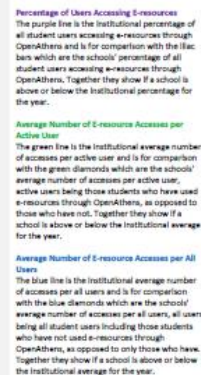




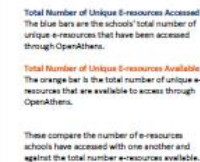


On the
straight and narrow

* Student Record data is provided as weekly snapshots



They track the institutional trend, including peaks and troughs over the year.



The charts on the left show each level and year of the school's e-resource accesses through OpenAthens by average number for active student users and all student users, as well as the percentage of all of each school's student users accessing the e-resources.

Percentage of Users Accessing E-resources The lilac bars show the percentage of all the school's student users accessing e-resources each month.

Average Number of E-resource Accesses per Active User The green line is the school's average number of e-resource accesses per active student user each month.

Average Number of E-resource Accesses per All Users The blue line is the school's average number of e-resource accesses per all student users each month.

They track the school's trend, including peaks and troughs over the year.

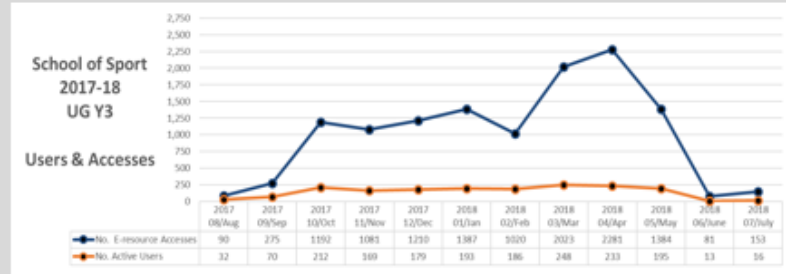
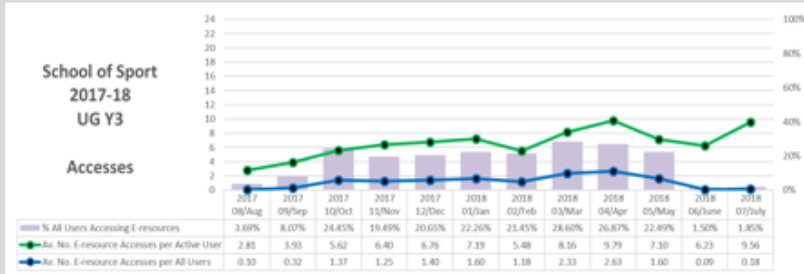
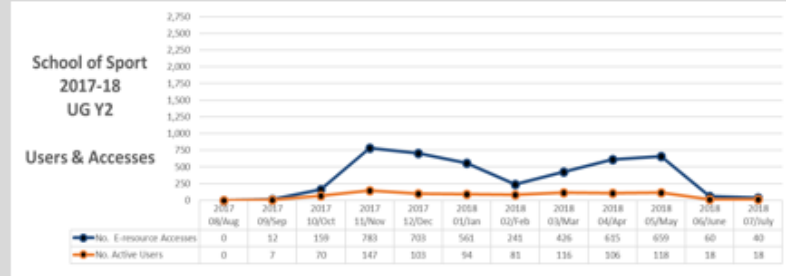
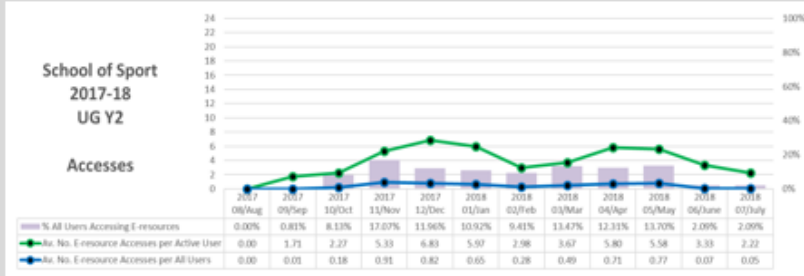


The charts on the right show each level and year of the school's e-resource accesses through OpenAthens and active student users, both by number.

Total Number of E-resource Accesses The blue line is the school's total number of e-resource accesses each month.

Total Number of Active Users The orange line is the school's total number of active student users each month.

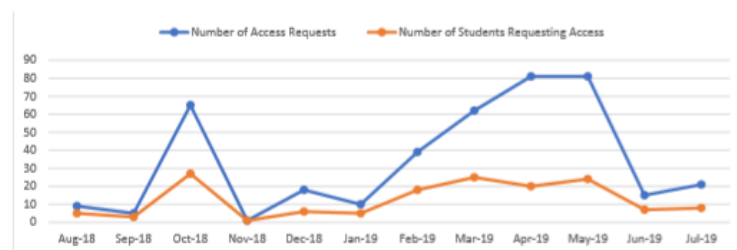
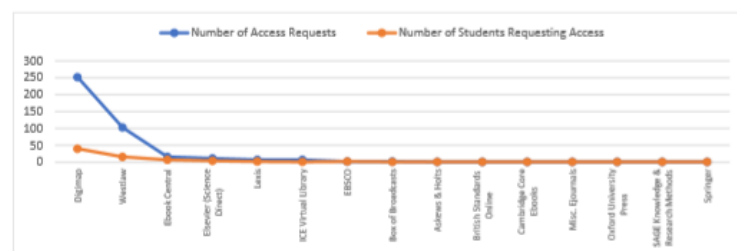
They track the school's trend, including peaks and troughs over the year.



BSc Architectural Technology ARCHT-A029

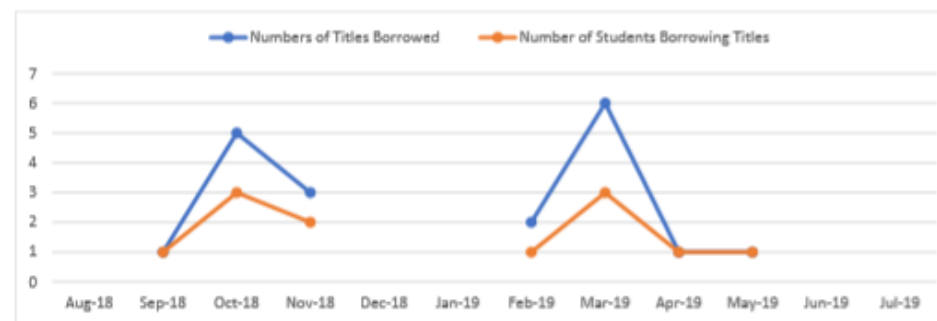
eResources: 407 requests for access to 15 e-resources were made by 46 students (unique individuals) on this course in 2018/19. Digimap was the most requested e-resource, accounting for almost 62% of the access requests, with 40 of those students requesting it 252 times between them. The trend over the year reflects the academic calendar.

	eResource	Number of Access Requests	Number of Students Requesting Access	Percentage of Access Requests	Rank
1	Digimap	252	40	61.92%	1
2	Westlaw	103	16	25.31%	2
3	Ebook Central	16	7	3.93%	3
4	Elsevier (Science Direct)	11	4	2.70%	4
5	Lexis	7	2	1.72%	5
6	ICE Virtual Library	7	1	1.72%	6
7	EBSCO	2	2	0.49%	7
8	Box of Broadcasts	2	1	0.49%	8
9	Askews & Holts	1	1	0.25%	9
10	British Standards Online	1	1	0.25%	9
11	Cambridge Core Ebooks	1	1	0.25%	9
12	Misc. E-journals	1	1	0.25%	9
13	Oxford University Press	1	1	0.25%	9
14	SAGE Knowledge & Research Methods	1	1	0.25%	9
15	Springer	1	1	0.25%	9
	TOTAL	407	46	100.00%	



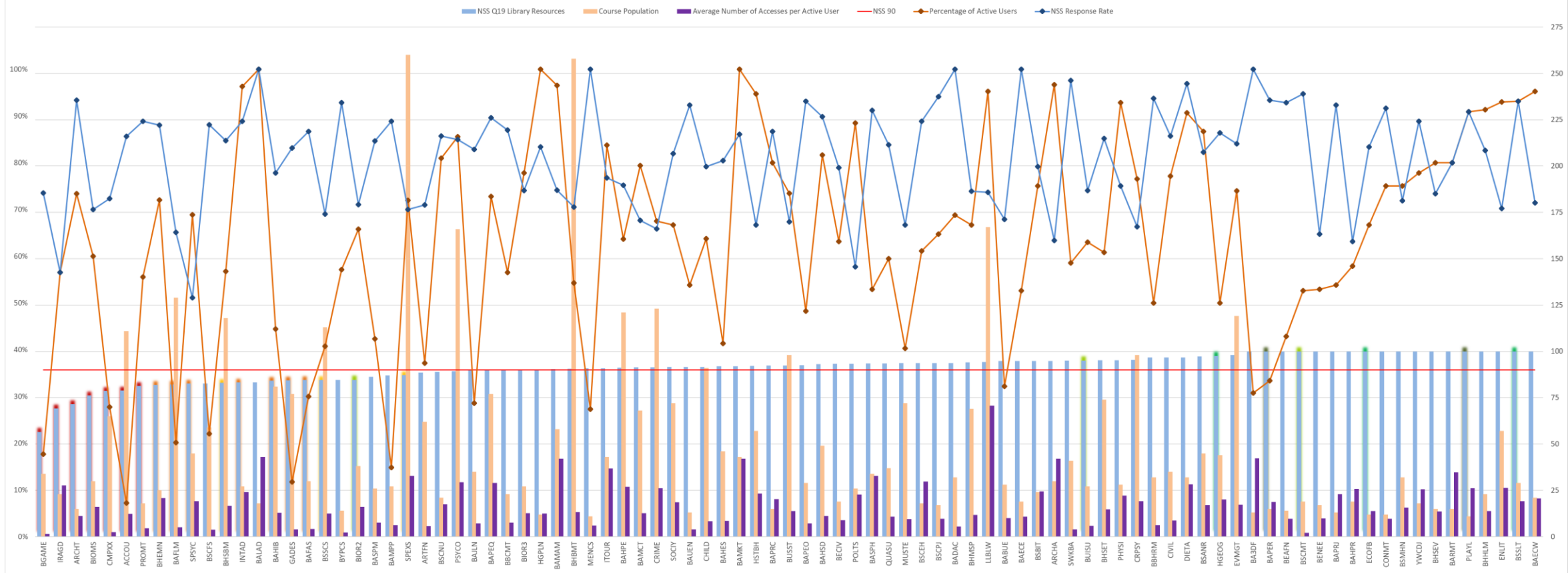
Physical Resources: 18 titles were borrowed by 8 students (unique individuals) on this course in 2018/19. Each title was borrowed once. The trend over the year shows borrowing of physical resources mainly takes place in the first half of each semester.

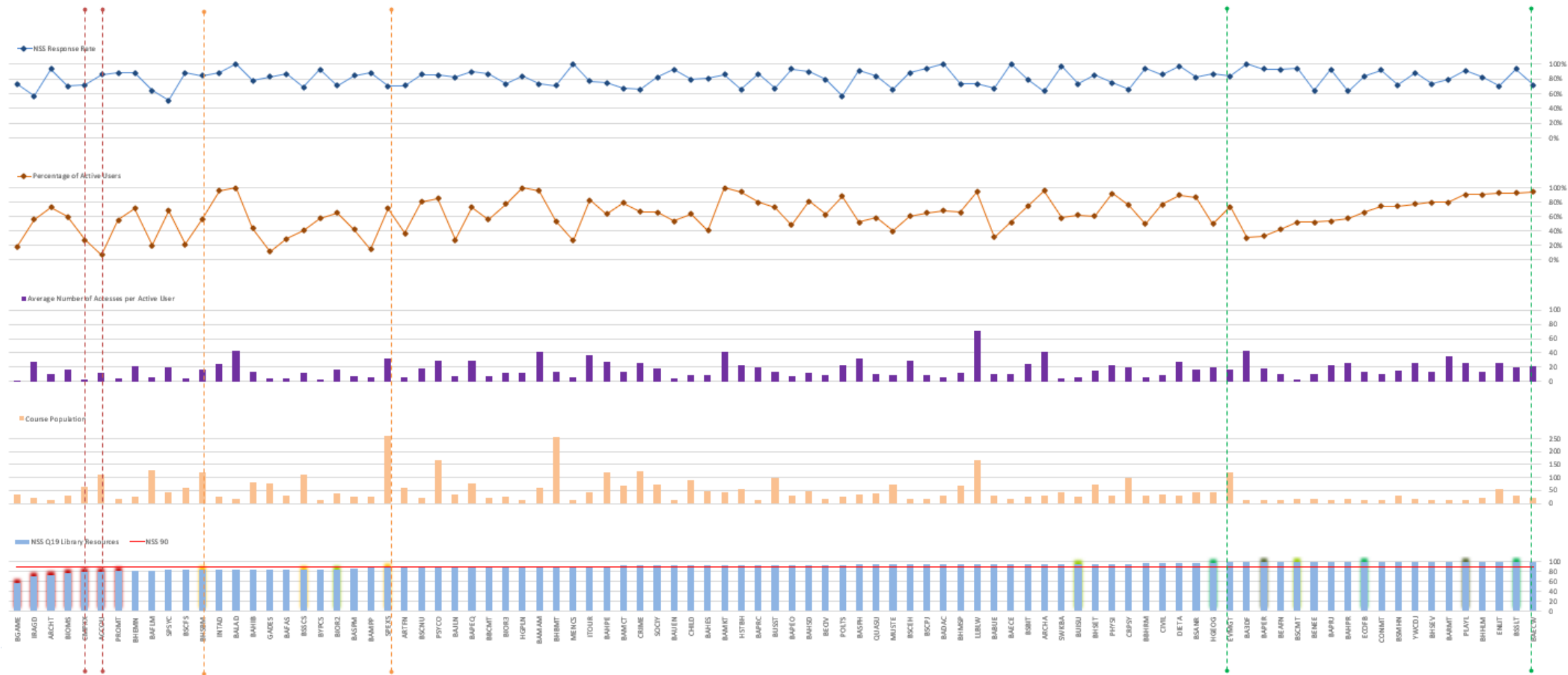
	Title	Number of Students Borrowing Titles
1	A building contract casebook /	1
2	A guide to site and environmental planning /	1
3	Architectural drawing /	1
4	Architectural graphics /	1
5	Big business, poor peoples : the impact of transnational corporations on the world's poor /	1
6	Building adaptation /	1
7	Building contract dictionary.	1
8	Case study research and applications : design and methods /	1
9	Construction methods and planning / J.R. Illingworth.	1
10	Design drawing /	1
11	Dissertations and project reports : a step by step guide /	1
12	Doing research /	1
13	Liquidated damages and extensions of time in construction contracts /	1
14	Materials science in construction : an introduction /	1
15	Metric handbook : planning and design data /	1
16	Practical building conservation.	1
17	Presentation basics /	1
18	Tort.	1
	TOTAL number of students borrowing titles	8



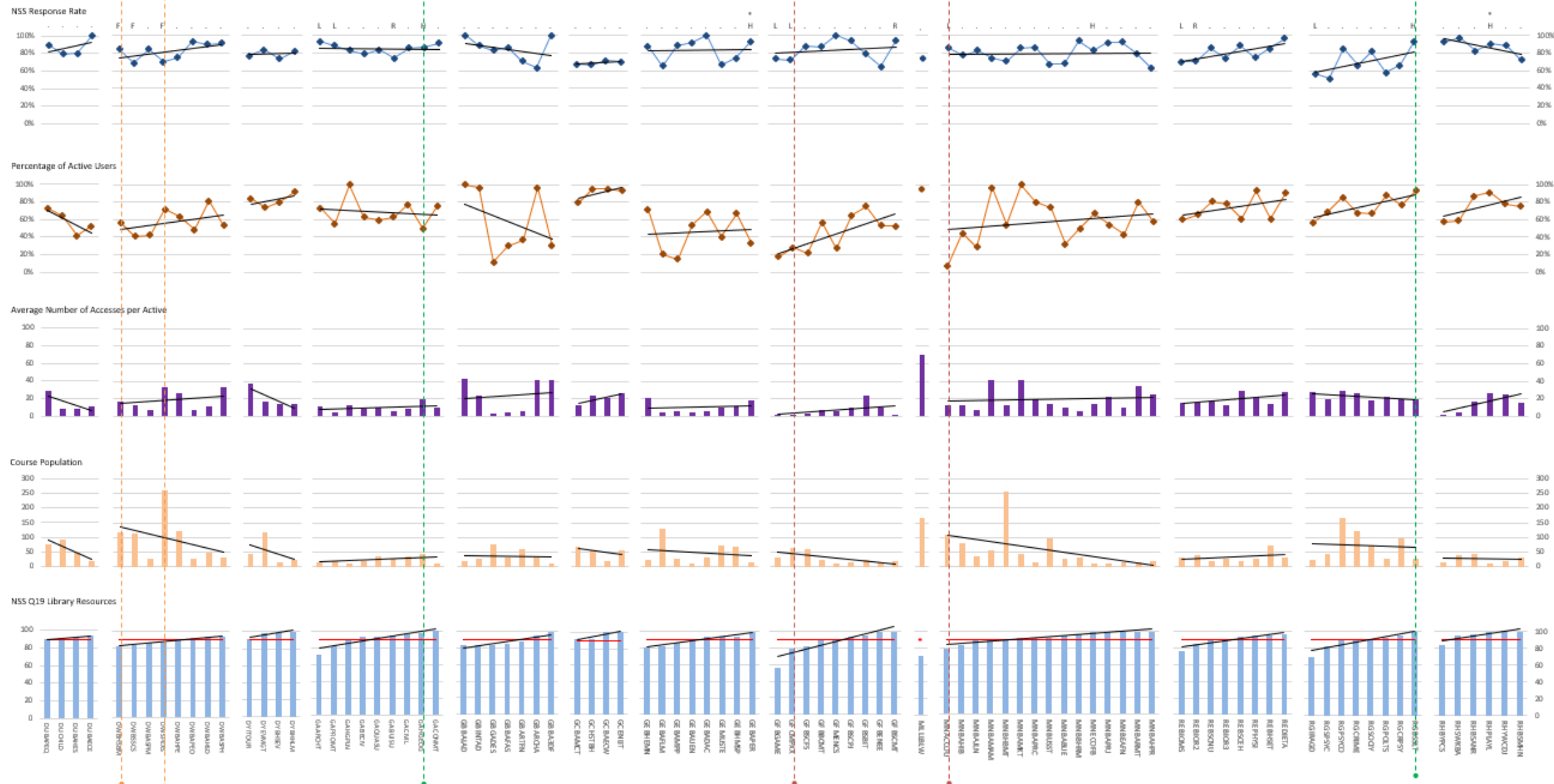
Off the chart

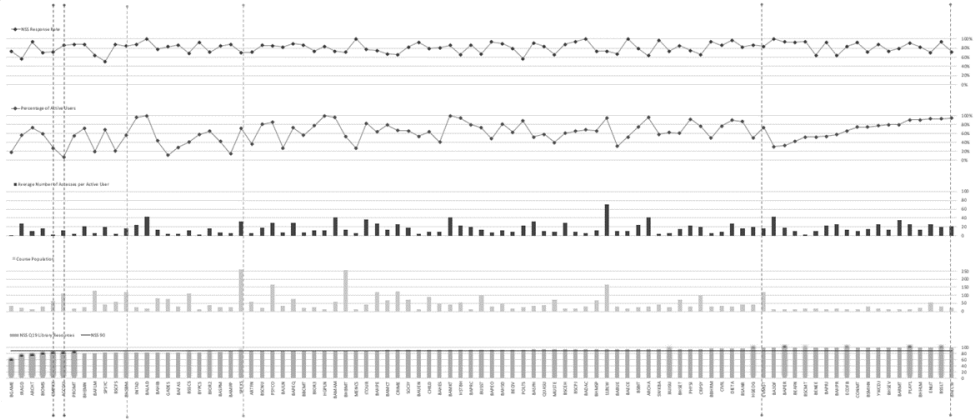
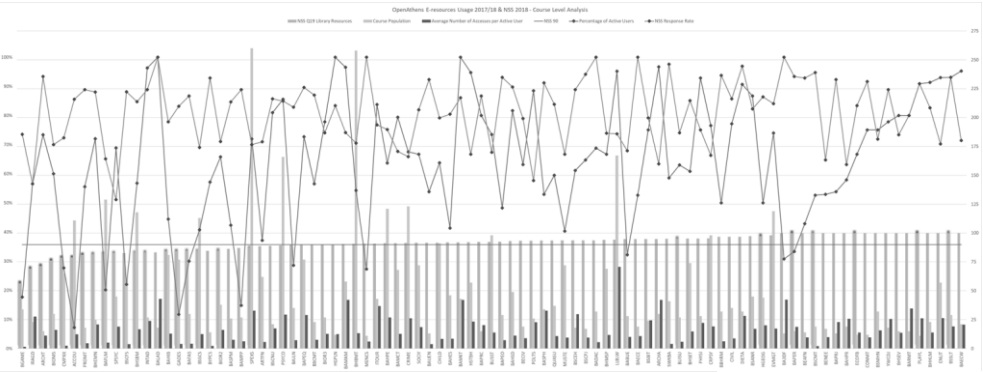
OpenAthens E-resources Usage 2017/18 & NSS 2018 - Course Level Analysis



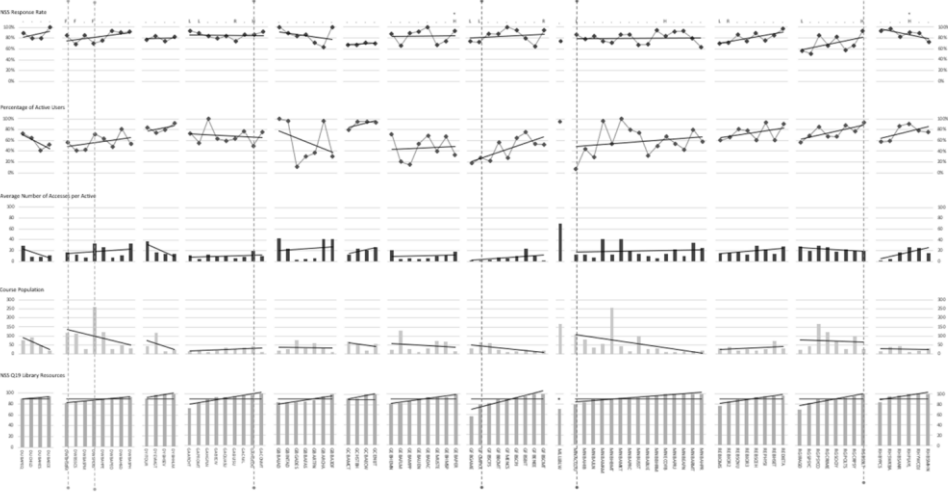


OpenAthens E-resources Usage 2017/18 & NSS 2018 - School Level Analysis



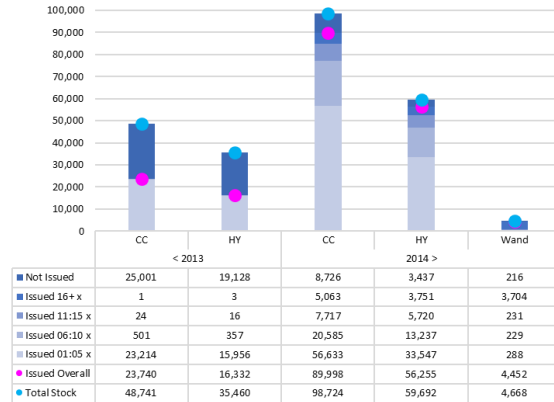


OpenAthene E-resources Usage 2017/18 & NSS 2018 - School Level Analysis

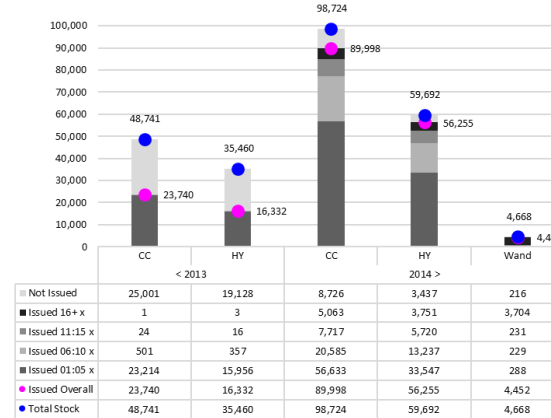


A thin blue line

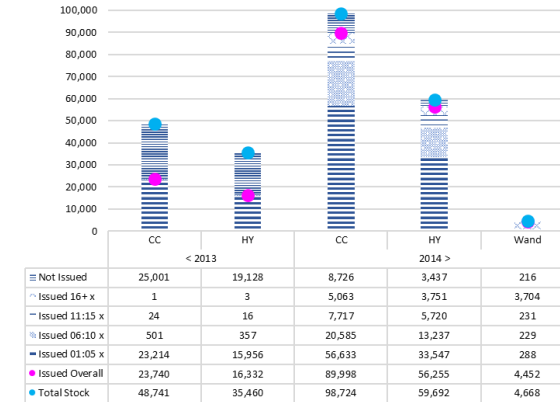
Amount of Stock Issued



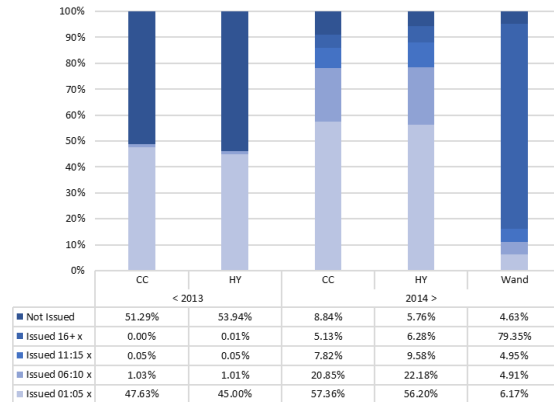
Amount of Stock Issued



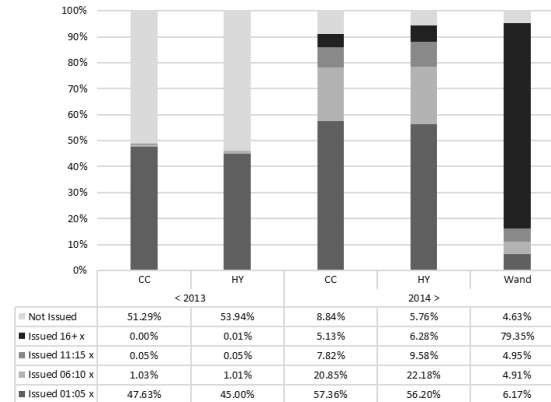
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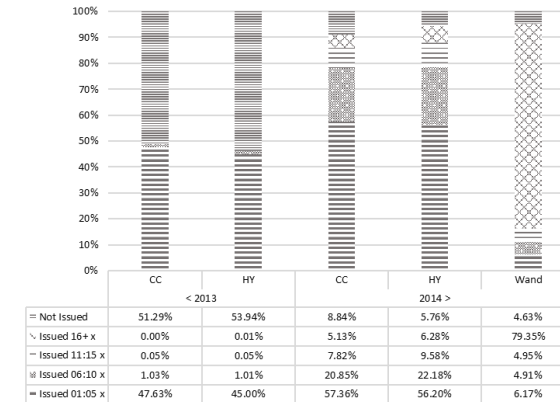
Percentage of Stock Issued



Percentage of Stock Issued

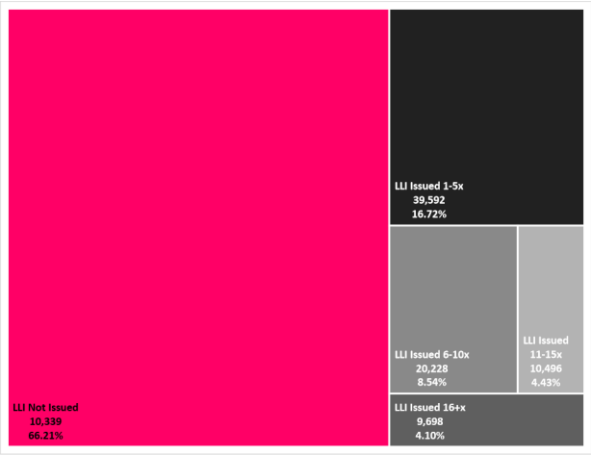
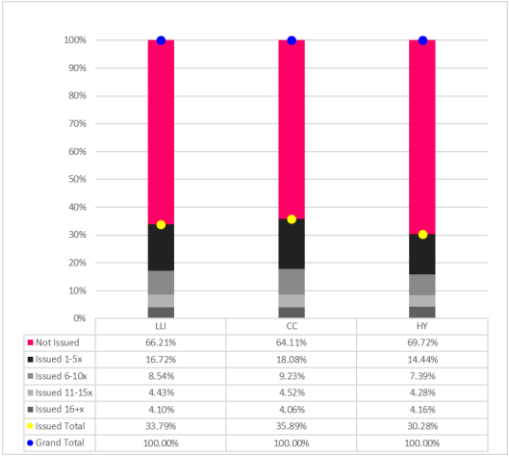
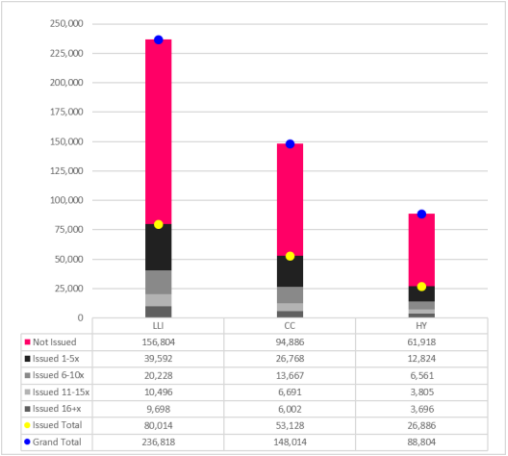
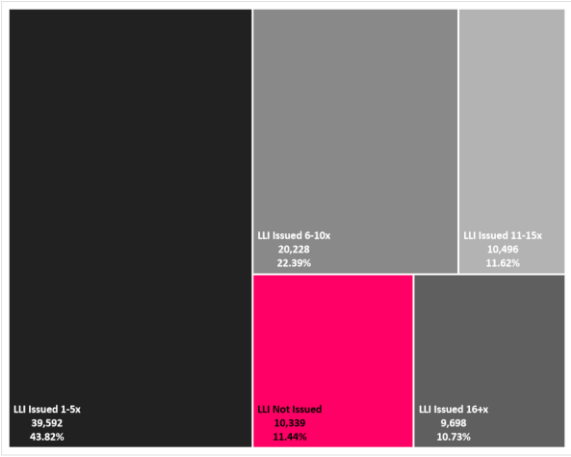
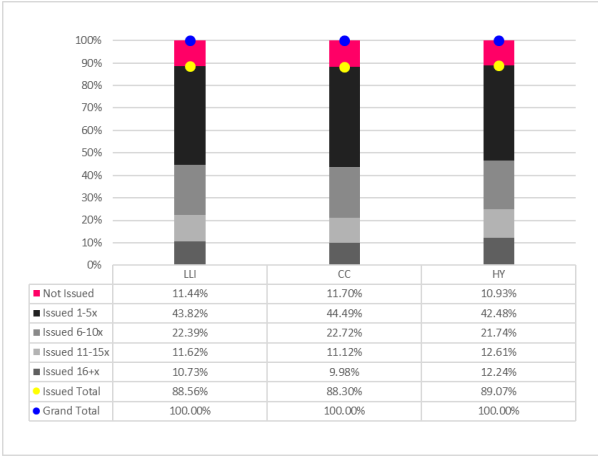
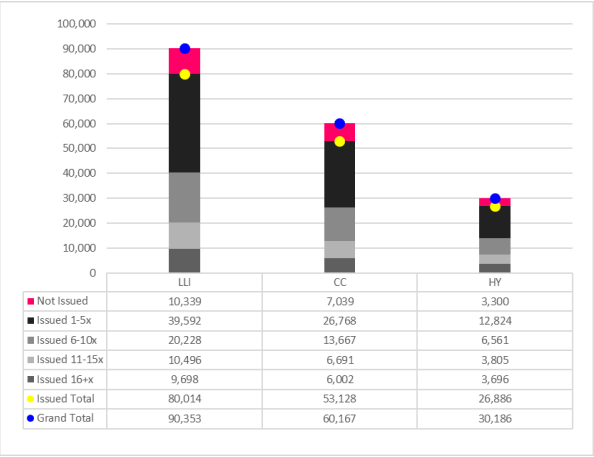


Percentage of Stock Issued



- * Stock has more or less doubled
- * Issues have increased considerably
- * All bands of issues have increased

- * Similar trends across libraries, except Headingley usage
- * Not issued has fallen considerably
- * Headingley usage is predominantly issued 16+ times band



Loanable Stock - Number of Items		Total	Issued	Not Issued
No. items		90,353	80,014	10,339
	City	60,167	53,128	7,039
	Headingley	30,186	26,886	3,300
Loanable Stock - Percentage of Items		Total	Issued	Not Issued
% Items		100%	88.56%	11.44%
	City	66.59%	58.80%	7.79%
	Headingley	33.41%	29.76%	3.65%

Loanable Stock - Number of Unique Titles		Total
No. unique titles*		51,213
	City	33,678
	Headingley	17,535
* Duplicates unique titles over both campuses		
Loanable Stock - Percentage of Unique Titles		Total
% unique titles		100%
	City	65.76%
	Headingley	34.24%

Loanable Stock - Number of Interlibrary Loans		Total	Issued
No. items interlibrary loans		532	
	City		451
	Headingley		81
Loanable Stock - Percentage of Interlibrary Loans		Total	Issued
% items interlibrary loans		100%	
	City		84.77%
	Headingley		15.23%

Loanable Stock - Greatest Number of Lifetime Checkouts		Issued
Greatest no. short loans		
	City	124
	Headingley	355
Greatest no. normal loans		
	City	78
	Headingley	67

Loanable Stock - Number of Items in Dewey Ranges		Total	Issued	Not Issued
No. items Dewey range 001-099		3,174	2,566	608
	City	952	849	103
	Headingley	2,222	1,717	505
No. items Dewey range 100-199		4,894	4,424	470
	City	4,031	3,626	405
	Headingley	863	798	65
No. items Dewey range 200-299		231	202	29
	City	197	175	22
	Headingley	34	27	7
No. items Dewey range 300-399		34,298	31,147	3,151
	City	22,523	20,337	2,186
	Headingley	11,775	10,810	965
No. items Dewey range 400-499		2,492	2,112	380
	City	421	368	53
	Headingley	2,071	1,744	327
No. items Dewey range 500-599		1,065	861	204
	City	492	411	81
	Headingley	573	450	123
No. items Dewey range 600-699		21,435	19,210	2,225
	City	16,110	14,387	1,723
	Headingley	5,325	4,823	502
No. items Dewey range 700-799		14,372	12,218	2,154
	City	9,146	7,404	1,742
	Headingley	5,226	4,814	412
No. items Dewey range 800-899		3,970	3,625	345
	City	3,293	3,045	248
	Headingley	677	580	97
No. items Dewey range 900-999		2,511	2,346	165
	City	2,069	1,975	94
	Headingley	442	371	71

Loanable Stock - Percentage of Items in Dewey Ranges		Total	Issued	Not Issued
% items Dewey range 001-099		100%	80.84%	19.16%
	City	29.99%	26.75%	3.25%
	Headingley	70.01%	54.10%	15.91%
% items Dewey range 100-199		100%	90.40%	9.60%
	City	82.37%	74.09%	8.28%
	Headingley	17.63%	16.31%	1.33%
% items Dewey range 200-299		100%	87.45%	12.55%
	City	85.28%	75.76%	9.52%
	Headingley	14.72%	11.69%	3.03%
% items Dewey range 300-399		100%	90.81%	9.19%
	City	65.67%	59.30%	6.37%
	Headingley	34.33%	31.52%	2.81%
% items Dewey range 400-499		100%	84.75%	15.25%
	City	16.89%	14.77%	2.13%
	Headingley	83.11%	69.98%	13.12%
% items Dewey range 500-599		100%	80.85%	19.15%
	City	46.20%	38.59%	7.61%
	Headingley	53.80%	42.25%	11.55%
% items Dewey range 600-699		100%	89.62%	10.38%
	City	75.16%	67.12%	8.04%
	Headingley	24.84%	22.50%	2.34%
% items Dewey range 700-799		100%	85.01%	14.99%
	City	63.64%	51.52%	12.12%
	Headingley	36.36%	33.50%	2.87%
% items Dewey range 800-899		100%	91.31%	8.69%
	City	82.95%	76.70%	6.25%
	Headingley	17.05%	14.61%	2.44%
% items Dewey range 900-999		100%	93.43%	6.57%
	City	82.40%	78.65%	3.74%
	Headingley	17.60%	14.77%	2.83%

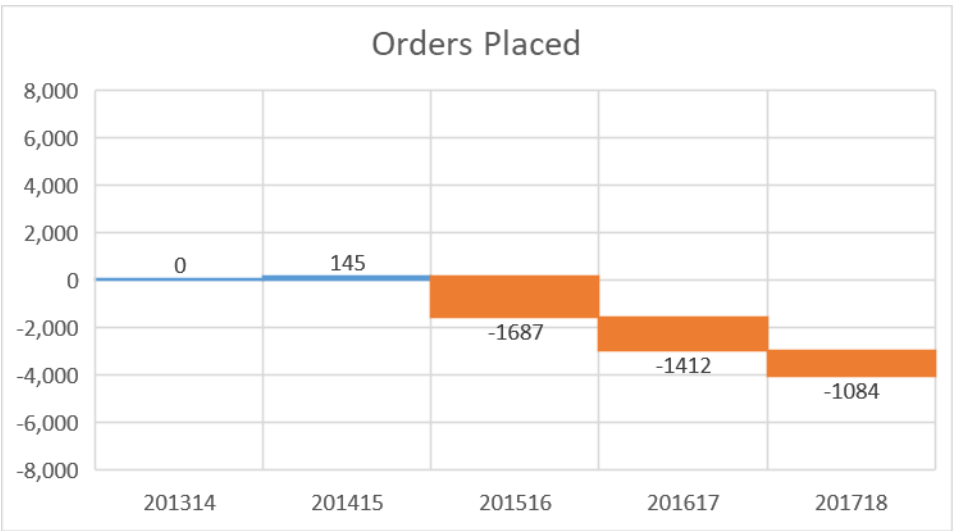
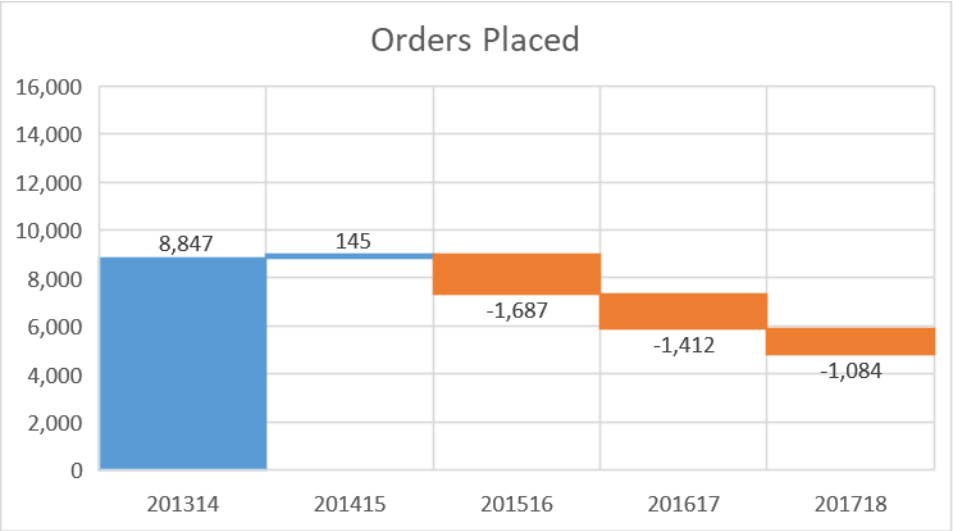
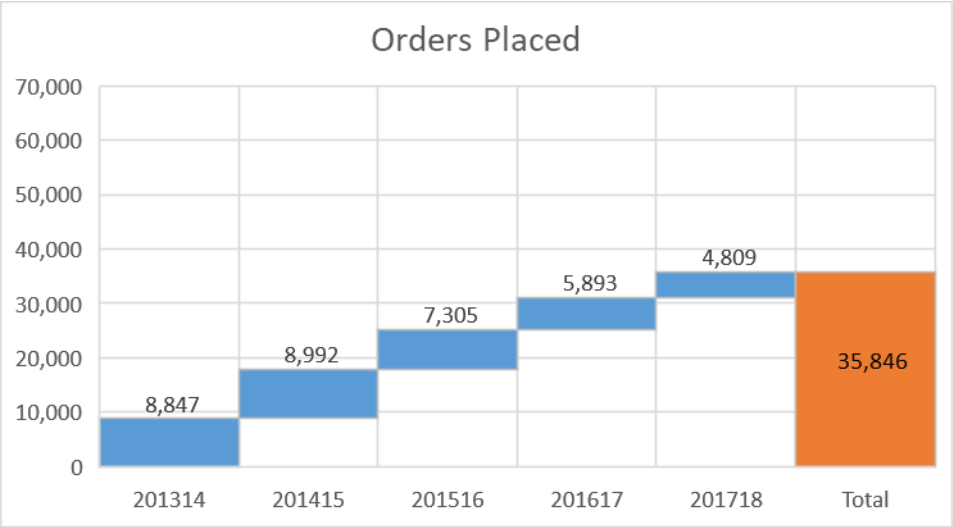
Loanable Stock - Number of Items in Publication Year:		Total	Issued	Not Issued
No. items published from 2013		21,517	17,094	4,423
	City	15,136	11,980	3,156
	Headingley	6,381	5,114	1,267
No. items published between 2000 and 2012		45,166	42,317	2,849
	City	29,003	27,152	1,851
	Headingley	16,163	15,165	998
No. items published before 2000		23,140	20,228	2,912
	City	15,684	13,750	1,934
	Headingley	7,456	6,478	978
No. items with no publication year		530	375	155
	City	344	246	98
	Headingley	186	129	57

Loanable Stock - Percentage of Items in Publication Years		Total	Issued	Not Issued
% items published from 2013		100%	79.44%	20.56%
	City	70.34%	55.68%	14.67%
	Headingley	29.66%	23.77%	5.89%
% items published between 2000 and 2012		100%	93.69%	6.31%
	City	64.21%	60.12%	4.10%
	Headingley	35.79%	33.58%	2.21%
% items published before 2000		100%	87.42%	12.58%
	City	67.78%	59.42%	8.36%
	Headingley	32.22%	27.99%	4.23%
% items with no publication year		100%	70.75%	29.25%
	City	64.91%	46.42%	18.49%
	Headingley	35.09%	24.34%	10.75%

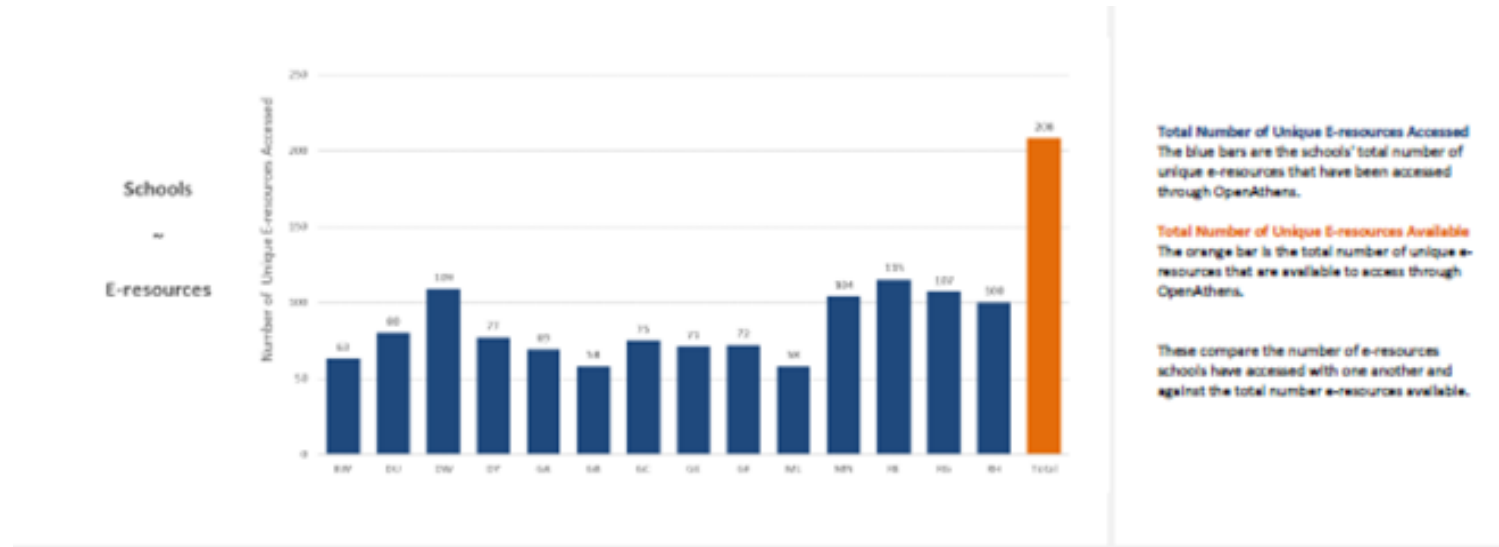
Q 18-20. Learning Resources

Turn It In - Class

NSS Type	Course ID	School	Score	Number Modules	Similarity Reports Av.	Submissions Av.	Submissions with Feedback Av.	Submissions Scored with a Rubric Av.	Total Feedback Av.				Summary Text Comments Av.	Voice Comments Av.	QuickMarks Av.	Bubble Comments Av.	Inline Text Comments Av.	Strikethrough Marks Av.	Grading Form Marks Av.	Peer Reviews Created Av.	
Top 10	BSBIT	GF	98.04	14	140.07	125.64	8.79	0.00	30.93	<div><div></div><div></div><div></div><div></div></div>			6.86	0.00	4.43	19.64	0.00	0.00	0.00	0.00	<div><div></div><div></div><div></div></div>
	BAFAS	GB	97.92	2	105.00	81.50	0.00	0.00	0.00	<div><div></div><div></div></div>			0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	<div><div></div><div></div></div>
	BAECE	DU	97.62	14	55.14	41.29	31.29	15.43	660.64	<div><div></div><div></div><div></div><div></div></div>			29.93	0.00	183.86	386.43	57.14	3.29	0.00	0.00	<div><div></div><div></div><div></div><div></div></div>
	BSSLT	RG	97.50	12	72.42	66.33	53.58	15.25	842.83	<div><div></div><div></div><div></div><div></div></div>			10.83	0.00	58.58	609.25	37.67	0.08	126.42	0.00	<div><div></div><div></div><div></div><div></div></div>
	BAUEN	GE	97.44	17	44.59	43.76	37.12	17.76	496.59	<div><div></div><div></div><div></div><div></div></div>			36.76	0.00	66.35	393.18	0.18	0.12	0.00	0.00	<div><div></div><div></div><div></div><div></div></div>
	ENGHI	GC	97.44	17	99.71	88.00	5.24	0.00	159.00	<div><div></div><div></div><div></div><div></div></div>			5.18	0.00	94.76	58.94	0.00	0.12	0.00	0.00	<div><div></div><div></div><div></div><div></div></div>
	MUSTE	GE	96.30	19	78.21	72.47	64.95	43.53	663.16	<div><div></div><div></div><div></div><div></div></div>			63.95	0.00	121.74	477.16	0.16	0.16	0.00	0.00	<div><div></div><div></div><div></div><div></div></div>
	PHYSI	RE	96.30	11	80.91	70.55	43.00	0.00	683.55	<div><div></div><div></div><div></div><div></div></div>			42.91	0.09	65.00	573.00	0.18	2.36	0.00	0.00	<div><div></div><div></div><div></div><div></div></div>
	BAJLN	MN	95.24	17	92.94	78.35	50.94	0.00	559.76	<div><div></div><div></div><div></div><div></div></div>			29.29	1.71	46.12	249.88	231.94	0.82	0.00	0.00	<div><div></div><div></div><div></div><div></div></div>
	YWCDJ	RH	95.24	20	23.50	18.50	14.45	0.00	203.70	<div><div></div><div></div><div></div><div></div></div>			13.15	1.05	24.35	156.85	8.20	0.10	0.00	0.00	<div><div></div><div></div><div></div><div></div></div>
AVERAGE			96.90	14.30	79.25	68.64	30.93	9.20	430.02	<div><div></div><div></div><div></div><div></div></div>			23.89	0.28	66.52	292.43	33.55	0.70	12.64	0.00	<div><div></div><div></div><div></div><div></div></div>
Rank					2	3	4	5	1	<div><div></div><div></div><div></div><div></div></div>			4	7	2	1	3	6	5	8	<div><div></div><div></div><div></div><div></div></div>



A 1,000 words
paint a picture



Alternate Text:

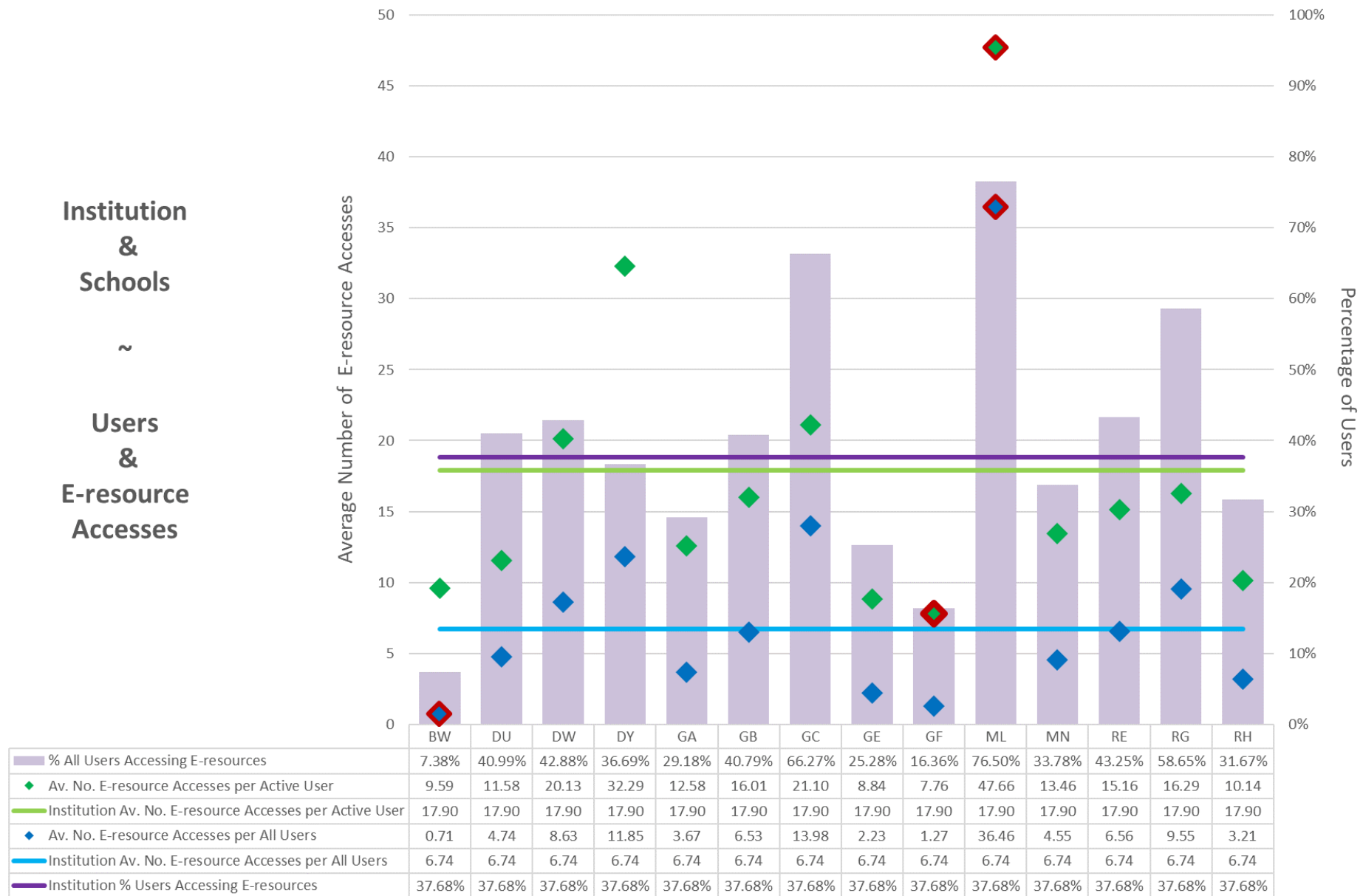
A column chart showing the total number of unique e-resources accessed by each school's students in the 2017/18 academic year. The X-axis shows the schools in alphabetical order plus the total number of unique e-resources available. The Y-axis shows the number of unique e-resources accessed on a scale of 0 to 250 with intervals of 50. There are 208 unique e-resources available. GB and ML schools have accessed the least unique e-resources, 58. RE school has accessed the most unique e-resources, 115.

BW has accessed 63 unique e-resources; DU has accessed 80 unique e-resources; DW has accessed 109 unique e-resources; DY has accessed 77 unique e-resources; GA has accessed 69 unique e-resources; GB has accessed 58 unique e-resources; GC has accessed 75 unique e-resources; GE has accessed 71 unique e-resources; GF has accessed 72 unique e-resources; ML has accessed 58 unique e-resources; MN has accessed 104 unique e-resources; RE has accessed 115 unique e-resources; RG has accessed 107 unique e-resources; RH has accessed 100 unique e-resources; there are 208 unique e-resources available.

Out of line

2

Users & E-resource Accesses

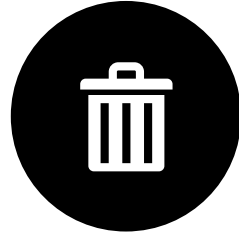




CONSULT



CHART



DECLUTTER



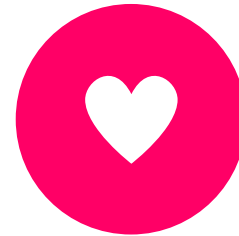
FOCUS



ALT TEXT



FEEDBACK



BRAVE

Break the rules...

- <http://albertocairo.com>
- <https://www.datavisualizationsociety.com>
- <https://excelcharts.com>
- <http://giorgialupi.com>
- <https://informationisbeautiful.net/>
- <https://www.informationisbeautifulawards.com/>
- <http://www.storytellingwithdata.com>
- <https://public.tableau.com/en-gb/gallery/?tab=featured&type=featured>
- <https://www.visualcinnamon.com>

- <https://blog.datawrapper.de/colorguide>
- <https://medium.com/nightingale/style-guidelines-92ebe166addc>
- <https://coolinfographics.com/dataviz-guides>

- <https://twitter.com/i/lists/1019860421686235137>



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Thank you

Any questions?

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